INTERNATIONAL SEARCH REPORT

International application No. PCT/US01/26330

A. CLASSIFICATION OF SUBJECT MATTER				
IPC(7) :G06F 13/00				
US CL :709/217, 219 According to International Patent Classification (IPC) or to both national classification and IPC				
B. FIELDS SEARCHED				
Minimum documentation searched (classification system followed by classification symbols)				
U.S. : 709/217, 219				
U.S. : 1097211, 219				
Documentation searched other than minimum documentation to the extent that such documents are included in the fields				
searched				
Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)				
EAST				
C. DOCUMENTS CONSIDERED TO BE RELEVANT				
Category*	Citation of document, with indication, where app	propriate, of the relevant passages	Relevant to claim No.	
VE	US 6,311,214 B1 (RHOADS) 30 October 2001, cols. 1-3, 9-12 and 1-19			
X,E	15-17.			
	13-17.			
A,P	US6, 209,048 B1 (WOLFF) 27 March 2001.		1-19	
,-				
A	US 6,076,733 A (WILZ, Sr. et al.) 20 June 2000.		1-19	
•				
		·		
Further documents are listed in the continuation of Box C. See patent family annex.				
1	pecial categories of cited documents:	"T" later document published after the int date and not in conflict with the app	lication but cited to understand	
"A" do	ocument defining the general state of the art which is not ensidered to be of particular relevance	the principle or theory underlying the	ne invention	
"E" ea	rlier document published on or after the international filing date	"X" document of particular relevance; the considered novel or cannot be considered.	ered to involve an inventive step	
"L" de	ocument which may throw doubts on priority claim(s) or which is ted to establish the publication date of another citation or other	when the document is taken alone	and investigation cannot be	
. sp	ecial reason (as specified)	"Y" document of particular relevance; the considered to involve an inventive	step when the document is	
	coument referring to an oral disclosure, use, exhibition or other eans	combined with one or more other su- being obvious to a person skilled in	the art	
	ocument published prior to the international filing date but later	actional filing date but later "&" document member of the same patent family		
Date of the actual completion of the international search Date of mailing of the international search report				
10 100 2002				
17 DECEMBER 2001		I O DAIN COOL		
1 - and and maning dedicts of the lotter of		Authorized officer		
Commissioner of Patents and Trademarks Box PCT		KENNETH FIELDS James R. Matthais		
Washington, D.C. 20231 Facsimile No. (703) 305-3930		Telephone No. (703) 305-9000	7. 11100000	